

PROJECT DESCRIPTION  
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW GUIDE SHIELD ASSEMBLY SIGNS, INTERSECTION LIGHTING AND UPGRADING OF ALL SIGNAL HEADS AT THE INTERSECTION OF MD 458 (SILVER HILL ROAD) AT MARLBORO PIKE IN PRINCE GEORGES COUNTY. MD 458 RUNS IN A NORTH/SOUTH DIRECTION.

INTERSECTION OPERATION

THERE IS NO CHANGE TO INTERSECTION OPERATION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. MAJIB SHAJIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358  
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE  
PHONE: (301) 513-7300  
MR. AUGIE REBISH, ASSISTANT DISTRICT ENGINEER - UTILITY  
PHONE: (301) 513-7300  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630  
MR. ROBERT SNYDER, ASSISTANT CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7631  
MR. ED RODENHIZER, CHIEF OF SIGNAL SHOP  
PHONE: (410) 787-7650

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9000	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:	SF	75
	GUIDE SHIELD ASSEMBLY (30"x51")	EA	2
	GUIDE SHIELD ASSEMBLY (48"x75")	EA	2

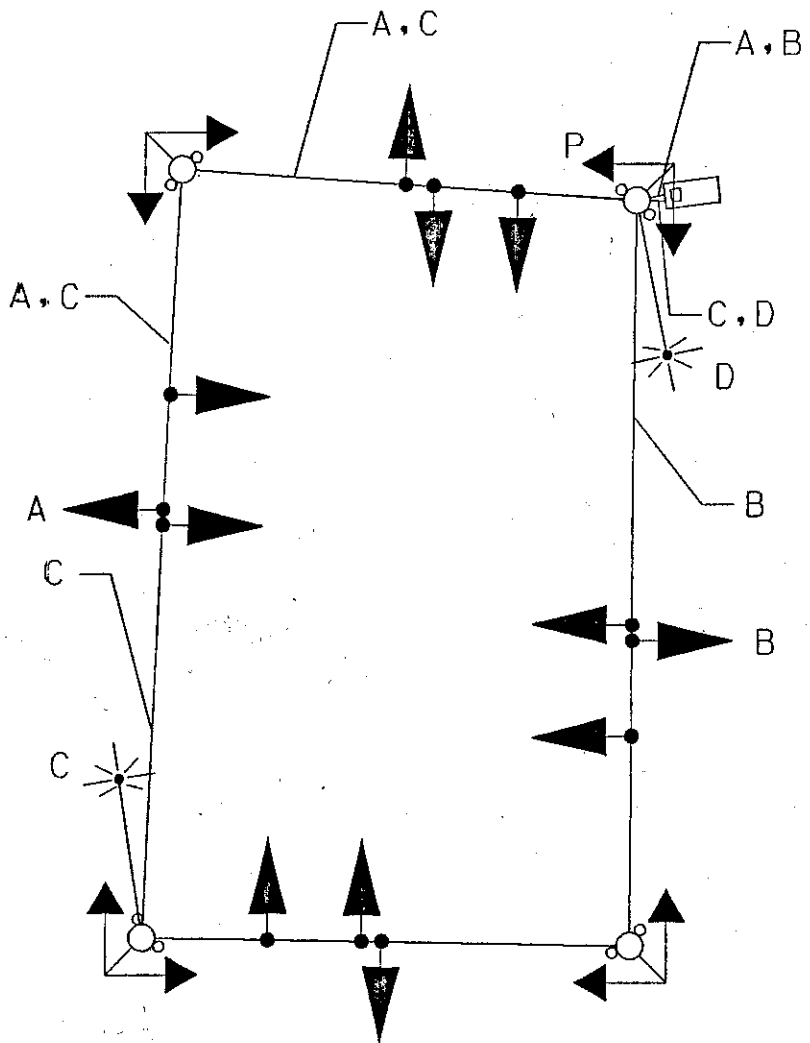
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8010	FURNISH AND INSTALL 12 IN PEDESTRIAN SIGNAL HEAD SECTION	EA	16
8011	FURNISH AND INSTALL 12 IN VEHICLE SIGNAL HEAD SECTION	EA	40
8013	FURNISH AND INSTALL 15 FT BRAC ARM FOR SIG STRUCTURE	EA	2
8014	FURNISH AND INSTALL 250W HPS LUMIN W/ PHOTOCCELL	EA	2
8019	FURNISH AND INSTALL 8 IN VEHICLE SIGNAL HEAD SECTION	EA	12
8048	REMOVE AND DISPOSE MAT. AND EQUIPMENT PER EACH PER ASSIGNMENT	EA	1
8077	INSTALL OVERHEAD SIGNS	SF	75
8087	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	355
8088	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	500

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.

ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																				
PHASE 1 AND 6	+GG	+GG	R	R	R	R	R	R	R	R	R	R	DW	DW	WK	WK	DW	DW	DW	DW
PED CLEARANCE	+GG	+GG	R	R	R	R	R	R	R	R	R	R	DW	DW	FLDW	FLDW	DW	DW	DW	DW
1 AND 6 CHANGE	+VY	+VY	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	R	R	G	+GG	+GG	R	R	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PED CLEARANCE	R	R	G	+GG	+GG	R	R	R	R	R	R	R	FLDW	DW	DW	FLDW	DW	DW	DW	DW
2 AND 5 CHANGE	R	R	Y	+VY	+VY	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6 ALT	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW	DW
2 AND 6 ALT CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 AND 7	R	R	R	R	R	R	+GR	+GR	R	+GR	+GR	R	DW	DW	DW	DW	DW	DW	DW	DW
3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8																				
PHASE 3 AND 8	R	R	R	R	R	R	+GG	+GG	G	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
PED CLEARANCE	R	R	R	R	R	R	+GG	+GG	G	R	R	R	DW	DW	DW	DW	DW	FLDW	FLDW	DW
3 AND 8 CHANGE	R	R	R	R	R	R	+VY	+VY	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 7	R	R	R	R	R	R	R	R	R	+GG	+GG	G	DW	DW	DW	DW	WK	DW	DW	WK
PED CLEARANCE	R	R	R	R	R	R	R	R	R	+GG	+GG	G	DW	DW	DW	DW	FLDW	DW	DW	FLDW
4 AND 7 CHANGE	R	R	R	R	R	R	R	R	R	+VY	+VY	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	R	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	G	G	G	R	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	R	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW	FLDW
4 AND 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	R	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION PLAN

MD 458 (SILVER HILL ROAD) AT MARLBORO PIKE



SABRA, WANG & ASSOCIATES, INC.  
1504 JOH. AVENUE  
SUITE 160  
BALTIMORE, MD 21227  
WWW.SABRA-WANG.COM

DRAWN BY: S. SMITH  
CHECKED BY: J. ALLEN Jr.  
SCALE: NTS  
DATE: SEPTEMBER, 2002

F.A.P. NO.  
S.H.A. NO. XX1065285  
COUNTY: PRINCE GEORGE'S CO.  
LOG MILE: 16045802.71

TS NO. 1879F  
SHEET NO. \_\_\_\_\_  
F334  
OF \_\_\_\_\_